ELSEVIER

Precambrian Research 119 (2002) 355–356

Precambrian Research

www.elsevier.com/locate/precamres

Contents Vol. 119

Special Issue
Granite Systems and Proterozoic Lithospheric Processes

Preface: IGCP project 426—Granite Systems and Proterozoic Lithospheric Processes
O.T. Rämö, W.R. Van Schmus and J.S. Bettencourt 1

Architecture of a 1.38–1.34 Ga granite–rhyolite complex as revealed by geochronology and isotopic and elemental geochemistry of subsurface samples from west Texas, USA
M.A. Barnes, E.Y. Anthony, I. Williams and G.B. Asquith 9

The relationship between A-type granites and residual magmas from anorthosite: evidence from the northern Sherman batholith, Laramie Mountains, Wyoming, USA
C.D. Frost, B.R. Frost, J.M. Bell and K.R. Chamberlain 45

Proterozoic (1.85–1.75 Ga) igneous suites of the Western Churchill Province: granitoid and ultrapotassic magmatism in a reworked Archean hinterland
T.D. Peterson, O. Van Breemen, H. Sandeman and B. Cousens 73

U–Pb and Ar–Ar geochronology of anorogenic granite magmatism of the Mazury complex, NE Poland
W. Dörr, Z. Belka, D. Marheine, J. Schastok, P. Valverde-Vaquero and J. Wiszniewska. 101

The Kynsijärvi quartz alkali feldspar syenite, Koillismaa, eastern Finland—silicic magmatism associated with 2.44 Ga continental rifting
L.S. Lauri and I. Mänttäri. 121

Geological evolution of the basement rocks in the east-central part of the Rondônia Tin Province, SW Amazonian craton, Brazil: U–Pb and Sm–Nd isotopic constraints
B.L. Payolla, J.S. Bettencourt, M. Kozuch, W.B. Leite Jr, A.H. Fetter and W.R. Van Schmus. . . 141

1.76 Ga volcano-plutonism in the southwestern Amazonian craton, Aripuanã-MT, Brazil: tectonostratigraphic implications from SHRIMP U–Pb zircon data and rock geochemistry
R.D. Neder, J.A.D. Leite, B.R. Figueiredo and N.J. McNaughton 171

Geology, geochemistry, and Pb–Pb zircon geochronology of the Paleoproterozoic magmatism of Vila Riozinho, Tapajós Gold Province, Amazonian craton, Brazil
C.N. Lamarão, R. Dall'Agnol, J.-M. Lafon and E.F. Lima 189

The Batalha Au-granite system—Tapajós Gold Province, Amazonian craton, Brazil: hydrothermal alteration and regional implications
C. Juliani, R.H. Corrêa-Silva, L.V.S. Monteiro, J.S. Bettencourt and C.M.D. Nunes. 225

Archean crustal sources for Paleoproterozoic tin-mineralized granites in the Carajás Province, SSE Pará, Brazil: Pb–Pb geochronology and Nd isotope geochemistry
N.P. Teixeira, J.S. Bettencourt, C.A.V. Moura, R. Dall'Agnol and E.M.B. Macambira. 257

Petrogenetic and mineralization processes in Paleo- to Mesoproterozoic rapakivi granites: examples from Pitinga and Goiás, Brazil
S.L.R. Lenharo, M.A. Moura and N.F. Botelho 277

Elemental and Sr–Nd isotope geochemistry of two Neoproterozoic mangerite suites in SE Brazil: implications for the origin of the mangerite–charnockite–granite series
V. de Assis Janasi 301

Calc-alkaline and tholeiitic dyke swarms of Tandilia, Rio de la Plata craton, Argentina: U–Pb, Sm–Nd, and Rb–Sr $^{40}Ar/^{39}Ar$ data provide new clues for intraplate rifting shortly after the Trans-Amazonian orogeny
W. Teixeira, J.P.P. Pinese, M. Iacumin, V.A.V. Girardi, E.M. Piccirillo, H. Echeveste, A. Ribot, R. Fernandez, P.R. Renne and L.M. Heaman 329

Contents of Volume 119 355